

	Type	Hits	Search Text	DBs
1	BRS	27251	(device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)	USPAT
2	BRS	35217	(device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)	USPAT; US-PGPUB; DERWENT
3	BRS	1601226	((device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space	USPAT; US-PGPUB; DERWENT
4	BRS	696406	((((device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space) and discharge aperture	USPAT; US-PGPUB; DERWENT
5	BRS	1584460	(((((device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space) and discharge aperture) and interconnected near5 free space	USPAT; US-PGPUB; DERWENT
6	BRS	1172975	((((((device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space) and discharge aperture) and interconnected near5 free space) and treatment gas near5 floor region	USPAT; US-PGPUB; DERWENT
7	BRS	1565048	((((((((device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space) and discharge aperture) and interconnected near5 free space) and treatment gas near5 floor region) and rotationally symmetrical hous\$3	USPAT; US-PGPUB; DERWENT
8	BRS	4285	(((((((((device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space) and discharge aperture) and interconnected near5 free space) and treatment gas near5 floor region) and rotationally symmetrical hous\$3) and (longitudinal or horizontal\$2 or vertical\$2) and zigzag\$3	USPAT; US-PGPUB; DERWENT
9	BRS	30	((((((((((device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space) and discharge aperture) and interconnected near5 free space) and treatment gas near5 floor region) and rotationally symmetrical hous\$3) and (longitudinal or horizontal\$2 or vertical\$2) and zigzag\$3) and (fluidized or fluidised)	USPAT; US-PGPUB; DERWENT
10	BRS	2646545	(((((((((((((device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space) and discharge aperture) and interconnected near5 free space) and treatment gas near5 floor region) and rotationally symmetrical hous\$3) and (longitudinal or horizontal\$2 or vertical\$2) and zigzag\$3) and (fluidized or fluidised)) and two compartments same opposite direction\$1	USPAT; US-PGPUB; DERWENT
11	BRS	1913864	((((((((((((((device or apparatus or crystalli?er) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space) and discharge aperture) and interconnected near5 free space) and treatment gas near5 floor region) and rotationally symmetrical hous\$3) and (longitudinal or horizontal\$2 or vertical\$2) and zigzag\$3) and (fluidized or fluidised)) and (fluidized or fluidized bed)) and partition wall\$1	USPAT; US-PGPUB; DERWENT

	Type	Hits	Search Text	DBs
12	BRS	30	(((((device or apparatus or crystallizer) and (polyester or pet or polyethylene terephthalate) and (granules or pellets or granulate)) and treatment space) and discharge aperture) and interconnected near free space) and treatment gas near floor region) and rotationally symmetrical housing) and (longitudinal or horizontal or vertical) and zigzag) and (fluidized or fluidised)) and (fluidized or fluidized bed)	USPAT; US-PGPUB; DERWENT
13	IS&R	71	(34/451).CCLS.	USPAT
14	IS&R	66	(34/209).CCLS.	USPAT
15	IS&R	113	(34/498).CCLS.	USPAT

WEST Search History

DATE: Wednesday, November 05, 2003

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,DWPI; PLUR=YES; OP=ADJ

L6	L5 and (zigzag or meander\$3)	1	L6
L5	L4 and free space	1	L5
L4	L3 and treatment space	1	L4
L3	L2 and vertical path\$1	1	L3
L2	L1 and discharge aperture	6	L2
	(device or apparatus or crystalli?er) and (plastic material or polyester or polyethylene terephthalate) and (pellet\$1 or granule\$1 or granulate or particulate or particle) and feed aperture		
L1		41	L1

END OF SEARCH HISTORY

Set Name Query

side by side

Hit Count Set Name

result set

*DB=JPAB; PLUR=YES; OP=ADJ*L11 L10 and (discharge or feed aperture) 0 L11L10 (device or apparatus or crystalli?er) and (plastic material or polyester or polyethylene terephthalate) and (pellet\$1 or granule\$1 or granulate or particulate or particle) and aperture 10 L10*DB=EPAB; PLUR=YES; OP=ADJ*L9 (device or apparatus or crystalli?er) and (plastic material or polyester or polyethylene terephthalate) and (pellet\$1 or granule\$1 or granulate or particulate or particle) and feed aperture 0 L9*DB=JPAB; PLUR=YES; OP=ADJ*L8 (device or apparatus or crystalli?er) and (plastic material or polyester or polyethylene terephthalate) and (pellet\$1 or granule\$1 or granulate or particulate or particle) and feed aperture 0 L8*DB=JPAB,EPAB; PLUR=YES; OP=ADJ*L7 (device or apparatus or crystalli?er) and (plastic material or polyester or polyethylene terephthalate) and (pellet\$1 or granule\$1 or granulate or particulate or particle) and feed aperture 0 L7*DB=USPT,PGPB,DWPI; PLUR=YES; OP=ADJ*L6 L5 and (zigzag or meander\$3) 1 L6L5 L4 and free space 1 L5L4 L3 and treatment space 1 L4L3 L2 and vertical path\$1 1 L3L2 L1 and discharge aperture 6 L2L1 (device or apparatus or crystalli?er) and (plastic material or polyester or polyethylene terephthalate) and (pellet\$1 or granule\$1 or granulate or particulate or particle) and feed aperture 41 L1

END OF SEARCH HISTORY

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 6 of 6 returned.☐ 1. Document ID: US 20030194716 A1

L2: Entry 1 of 6

File: PGPB

Oct 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030194716
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030194716 A1

TITLE: Device and method for performing syntheses, analyses or transport processes

PUBLICATION-DATE: October 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Knoll, Meinhard	Steinfurt		DE	

US-CL-CURRENT: 435/6; 435/287.2, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWC	Draw Desc	Image
-----	-----------	-------

☐ 2. Document ID: US 20020104232 A1

L2: Entry 2 of 6

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020104232
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020104232 A1

TITLE: Device and method for treating plastic material

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Borer, Camille	Flurlingen		CH	
Mueller, Martin	Uzwil		CH	
Terrasi, Filippo	Niederuzwil		CH	
Geissbuehler, Hans	Zuzwil		CH	

US-CL-CURRENT: 34/451, 34/209, 34/498

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWC	Draw Desc	Image
-----	-----------	-------

☐ 3. Document ID: US 5368240 A

L2: Entry 3 of 6

File: USPT

Nov 29, 1994

US-PAT-NO: 5368240
DOCUMENT-IDENTIFIER: US 5368240 A

TITLE: Apparatus for reducing rubber to particles

DATE-ISSUED: November 29, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bonnet, Olivier	Berlin			DE

US-CL-CURRENT: 241/41, 241/154, 241/62, 241/65, 241/69, 241/DIG.31, 241/DIG.37,
241/DIG.38

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 4. Document ID: US 5304302 A

L2: Entry 4 of 6

File: USPT

Apr 19, 1994

US-PAT-NO: 5304302

DOCUMENT-IDENTIFIER: US 5304302 A

TITLE: Apparatus for treating a liquid with alternating magnetic and electric fields

DATE-ISSUED: April 19, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bossert, Karl	Villingen			DE

US-CL-CURRENT: 210/222, 210/243, 210/695, 210/748

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 5. Document ID: US 4758322 A

L2: Entry 5 of 6

File: USPT

Jul 19, 1988

US-PAT-NO: 4758322

DOCUMENT-IDENTIFIER: US 4758322 A

TITLE: Apparatus for the electrolysis of solutions

DATE-ISSUED: July 19, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sioli, Giancarlo	Cernobbio			IT

US-CL-CURRENT: 204/255, 204/253, 204/254, 204/268, 204/269, 204/283

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 6. Document ID: US 3988883 A

L2: Entry 6 of 6

File: USPT

Nov 2, 1976

US-PAT-NO: 3988883

DOCUMENT-IDENTIFIER: US 3988883 A

**** See image for Certificate of Correction ****

TITLE: Stretch-resistant bulked yarn

DATE-ISSUED: November 2, 1976

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Size; Benjamin Chiatse	Wilmington	DE		

US-CL-CURRENT: 57/245; 28/281, 428/373, 57/227, D05/47

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

[Generate Collection](#)[Print](#)

Term	Documents
DISCHARGE	757750
DISCHARGES	123776
APERTURE	530996
APERTURES	324771
(1 AND (DISCHARGE ADJ APERTURE)).USPT,PGPB,DWPI.	6
(L1 AND DISCHARGE APERTURE).USPT,PGPB,DWPI.	6

Display Format:

-

[Change Format](#)[Previous Page](#)[Next Page](#)

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 21 through 30 of 41 returned.**☐ 21. Document ID: US 5042730 A

L1: Entry 21 of 41

File: USPT

Aug 27, 1991

US-PAT-NO: 5042730

DOCUMENT-IDENTIFIER: US 5042730 A

TITLE: Multi-purpose rotating disc shredding device

DATE-ISSUED: August 27, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hundt, Vincent G.	Coon Valley	WI	54623	

US-CL-CURRENT: 241/73, 144/176, 241/101.2, 241/79.1, 241/92[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 22. Document ID: US 4892691 A

L1: Entry 22 of 41

File: USPT

Jan 9, 1990

US-PAT-NO: 4892691

DOCUMENT-IDENTIFIER: US 4892691 A

TITLE: Extrusion method and apparatus for producing a foamable mixture of plastics material

DATE-ISSUED: January 9, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kolossow, Klaus-Dieter	Hambühren			DE

US-CL-CURRENT: 264/54, 264/51, 264/53, 425/204, 425/205[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 23. Document ID: US 4758322 A

L1: Entry 23 of 41

File: USPT

Jul 19, 1988

US-PAT-NO: 4758322

DOCUMENT-IDENTIFIER: US 4758322 A

TITLE: Apparatus for the electrolysis of solutions

DATE-ISSUED: July 19, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sioli, Giancarlo	Cernobbio			IT

US-CL-CURRENT: 204/255; 204/253, 204/254, 204/268, 204/269, 204/283

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KMC	Draw Deso	Image
-----	-----------	-------

☐ 24. Document ID: US 4746033 A

L1: Entry 24 of 41

File: USPT

May 24, 1988

US-PAT-NO: 4746033

DOCUMENT-IDENTIFIER: US 4746033 A

TITLE: Dispensing apparatus

DATE-ISSUED: May 24, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morellini, Peter	Ingham, Queensland	4850		AU

US-CL-CURRENT: 222/129; 222/185.1, 43/131

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KMC	Draw Deso	Image
-----	-----------	-------

☐ 25. Document ID: US 4692240 A

L1: Entry 25 of 41

File: USPT

Sep 8, 1987

US-PAT-NO: 4692240

DOCUMENT-IDENTIFIER: US 4692240 A

TITLE: Apparatus and a method for separating one solid component from another solid component in suspension in a liquid

DATE-ISSUED: September 8, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arbuthnot, Ian M.	Northcliff			ZA
Amm, Errol T.	Bryanston			ZA
Davidson, Raymond J.	Victory Park			ZA

US-CL-CURRENT: 209/254; 209/272, 209/307, 209/380, 209/401, 210/160, 210/400

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KMC	Draw Deso	Image
-----	-----------	-------

☐ 26. Document ID: US 4431911 A

L1: Entry 26 of 41

File: USPT

Feb 14, 1984

US-PAT-NO: 4431911

DOCUMENT-IDENTIFIER: US 4431911 A

TITLE: Cash replacement system including an encoded card and card acceptor

DATE-ISSUED: February 14, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rayburn, Charles C.	Mount Prospect	IL	60056	

US-CL-CURRENT: 235/444; 235/443, 235/445

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 27. Document ID: US 4410306 A

L1: Entry 27 of 41

File: USPT

Oct 18, 1983

US-PAT-NO: 4410306

DOCUMENT-IDENTIFIER: US 4410306 A

TITLE: Apparatus for granulating plastics material or plastic compositions

DATE-ISSUED: October 18, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anders, Dietmar	Hanover			DE
Voigt, Jurgen	Wathlingen			DE

US-CL-CURRENT: 425/71; 264/142, 425/311, 425/313

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 28. Document ID: US 4215652 A

L1: Entry 28 of 41

File: USPT

Aug 5, 1980

US-PAT-NO: 4215652

DOCUMENT-IDENTIFIER: US 4215652 A

TITLE: Bird feeder

DATE-ISSUED: August 5, 1980

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kerscher, Clarence J.	Toledo	OH	43613	

US-CL-CURRENT: 119/57.8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 29. Document ID: US 4042175 A

L1: Entry 29 of 41

File: USPT

Aug 16, 1977

Term	Documents
DEVICE	3830597
DEVICES	1584559
APPARATUS	2545085
APPTS	548058
PLASTIC	1020654
PLASTICS	396113
MATERIAL	3779580
MATERIALS	1729491
POLYESTER	345695
POLYESTERS	106626
POLYETHYLENE	511304
((DEVICE OR APPARATUS OR CRYSTALLI?ER) AND (PLASTIC MATERIAL OR POLYESTER OR POLYETHYLENE TEREPHTHALATE) AND (PELLET\$1 OR GRANULE\$1 OR GRANULATE OR PARTICULATE OR PARTICLE) AND FEED APERTURE) USPT,PGPB,DWPI	41

[There are more results than shown above. Click here to view the entire set.](#)

Display Format:

[Previous Page](#) [Next Page](#)